

PUB-NO: EP000305795A2

DOCUMENT-IDENTIFIER: EP 305795 A2

TITLE: Aqueous emulsion of graft polymers, process
for their preparation and use of the emulsion as a binder
for air drying coatings.

PUBN-DATE: March 8, 1989

INVENTOR-INFORMATION:

NAME	COUNTRY
ZUCKERT, BERTRAM DR	N/A
KLINTSCHAR, GERFRIED DR	N/A

ASSIGNEE-INFORMATION:

NAME	COUNTRY
VIANOVA KUNSTHARZ AG	AT

APPL-NO: EP88113206

APPL-DATE: August 13, 1988

PRIORITY-DATA: AT00221587A (September 3, 1987)

INT-CL (IPC): C08F283/01, C08F285/00 , C09D003/66

EUR-CL (EPC): C08F299/04

US-CL-CURRENT: 257/785

ABSTRACT:

In a process for the preparation of aqueous emulsions of graft copolymers which are obtained by emulsion polymerisation of vinyl and/or (meth)acrylic monomers in the presence of emulsifier resins based on polyol esters of (meth)acrylic- and optionally vinyl-modified drying fatty acids, the polymerisation of a monomer mixture (A) is carried out in an aqueous emulsion

of a product (B) of the condensation of the polymerisation of drying fatty acids, polyols, optionally polyethylene glycol and vinyl and (meth)acrylic monomers, where part of this monomer mixture comprises (meth)acrylic acid. Component (B) can be obtained either by grafting the monomers onto the fatty acid polyol ester or by esterifying the fatty acid graft polymer using polyols. The emulsions are suitable for air-drying, water-dilutable paints and road marking paints. They are distinguished by fast surface drying and good film properties.